



# DEER Distribution and Interconnection R&D



Reinventing the Electric Distribution System through SMARTConnect™\*



Integrating Distributed Energy Resources & Technologies with the Electric Grid

*filling the need for...*

#### Interconnection Engineering and Standards

- Technical standards and codes development
- System integration & operational concepts
- Advanced information exchange/control technologies

#### Systems Integration Engineering and Testing

- System characterization
- Field testing
- Test development

#### Policy and Regulatory Analysis

- Reduce barriers
- Analyze & develop solutions
- Technical assistance to regulators

#### Interface Applications and Analysis

- Advanced power processing
- Universal Interconnection Technology

\*SMARTConnect™: enabling a modernized, reliable, highly automated and more efficient electric power distribution system through increased use of distributed energy resources.



[www.eren.doe.gov/distributedpower](http://www.eren.doe.gov/distributedpower)